Alm study of different types of Natury

a) understand different types of retwork cobb

1 unshielded Twisted Pair (UTP) cable

2 . Sheelded Twisted Poin (STP) cable

3 coarial cable

4 FPbre optic Calale.

	A 110st opice care				
	Cable type	category	Mariemin Data Transmissio	Alantoges / Disadiantoges	Applicate
			upto 100 Mbps	* cheaper in Cost * Easy to install as they have a Smaller overall	Ethernet Fast. Ethernet Cugath
	0.9	Category Se	(Grbps	diameter Disadvantages: * Hove prone to (EHI) electromagnetic Priviferance and noise	Ethornet Fost Ethornet Origabit Ethornet
3	TP	Category 6, ba		Advantages + Shielded + Faster than UTP. * Less dusceptible to noise and entenference	Grigaloft Ethornet 10G Ethornet (55m) Wildely Wildely data contres
	STP	Colegary	10 GbPs. del	Dindvantages Expensive * Greater installation Hort.	Chigabit Ethernet, 10 G Etherna (100m)

Coaple	RG1-6 RG1-59 RG1-11	10-100 Hbps	+ High boundwidth + Interference + Low Loss + Low Loss + bondwidth + Versatile	Speed of Signal is Soom Taleston network High Speed Frommet Connections
		**************************************	Disodiardages + Limited distance + cost + sing is bulky.	
Fibre optics cable	Single mode Multi mode	100 G bps	Advantages + High-speed + High boundwidth + High Security + Long distance Disadvantages	distance of distance of libre options (able is around 100 maters
		C10	Disadvantages * Expensive * Requires * Skilled * Installers	Cable 1

b) Hake your own Ethernet Cross

Tools and parts reeded.

*Ethernet cabling. CATSE & certified for gigable support, but CATS cabling worths as

well, gust over 8 horter distances. . A crimping tool. This is on allen on networking took is naped to push down the pens in plag and strip and cut the shielding of cables. * Two RJ45 plugs. + optional two plug whields. x-over cable. straight throw cable - 1 ROST TX+10 2 Rx+ TX28 13TX7 TX+30 2X+31 06 TX- RX-60

Result: Thus different types of network

Part 4 401 1 1 2

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